

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete If Known

Application Number	10/014,741
Filing Date	December 10, 2001
First Named Inventor	David J. MILLER et al.
Art Unit	3763
Examiner Name	Unassigned
Attorney Docket Number	0150-0005

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
(Bn.)	AW	3,991,755	11/16/76	Vernon, et al.			
	AX	4,141,359	2/27/79	Jacobsen, et al.			
	AY	4,325,367	4/20/82	Tapper			
	AZ	4,340,047	7/20/82	Tapper, et al.			
	BA	4,406,658	9/27/83	Lattin, et al.			
	BB	4,689,039	8/25/87	Masaki			
	BC	4,702,732	10/27/87	Powers, et al.			
	BD	4,734,090	3/29/88	Sibalis			
	BE	4,752,285	6/21/88	Petelenz, et al.			
	BF	4,764,164	8/16/88	Sasaki			
	BG	4,786,278	11/22/88	Masaki			
	BH	4,792,702	12/20/88	Masaki			
	BI	4,850,956	7/25/89	Bontemps			
	BJ	4,931,046	6/5/90	Newman			
	BK	5,002,527	3/26/91	Reller, et al.			
	BL	5,006,108	4/9/91	LaPrade			
	BM	5,013,293	5/7/91	Sibalis			
	BN	5,019,034	5/28/91	Weaver, et al.			
	BO	5,023,085	6/11/91	Francoeur, et al.			
	BP	5,036,861	8/6/91	Sembrowich, et al.			
	BQ	5,042,975	8/27/91	Chien, et al.			
	BR	5,047,007	9/10/91	McNichols, et al.			
	BS	5,056,521	10/15/91	Parsons, et al.			
	BT	5,057,072	10/15/91	Phipps			
	BU	5,140,985	8/25/92	Schroeder, et al.			
	BV	5,213,568	5/25/93	Lattin, et al.			
	BW	5,224,927	7/6/93	Tapper			
	BX	5,279,543	1/18/94	Glikfeld, et al.			
	BY	5,312,325	5/17/94	Sibalis			
	BZ	5,314,502	5/24/94	McNichols, et al.			
	CA	5,318,514	6/7/94	Hofmann			
	CB	5,328,452	7/12/94	Sibalis			
	CC	5,328,453	7/12/94	Sibalis			
	CD	5,328,454	7/12/94	Sibalis			
	CE	5,336,168	8/9/94	Sibalis			
	CF	5,362,307	11/8/94	Guy, et al.			
	CG	5,372,579	12/13/94	Sibalis			
	CH	5,391,195	2/21/95	Van Groningen			
	CI	5,395,310	3/7/95	Untereker, et al.			
	CJ	5,405,317	4/11/95	Myers, et al.			
	CK	5,415,629	5/16/95	Henley			
	CL	5,421,817	6/6/95	Liss, et al.			
(Bn.)	CM	5,423,739	6/13/95	Phipps, et al.			

Examiner  
Signature

Catherine S. Wilcox

Date

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4/12/05

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Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
ds.	CN	5,443,441	8/22/95	De Claviere			
	CO	5,465,713	11/14/95	Schoendorfer			
	CP	5,499,967	3/19/96	Teillaud, et al.			
	CQ	5,538,503	7/23/96	Henley			
	CR	5,571,149	11/5/96	Liss, et al.			
	CS	5,617,851	4/8/97	Lipkovker			
	CT	5,620,580	4/15/97	Okabe, et al.			
	CU	5,645,526	7/8/97	Flower			
	CV	5,658,247	8/19/97	Henley			
	CW	5,667,487	9/16/97	Henley			
	CX	5,676,144	10/14/97	Schoendorfer			
	CY	5,722,397	3/3/98	Eppstein			
	CZ	5,730,714	3/24/98	Guy, et al.			
	DA	5,771,890	6/30/98	Tamada			
	DB	5,817,012	10/6/98	Schoendorfer			
	DC	5,827,181	10/27/98	Dias, et al.			
	DD	5,885,211	3/23/99	Eppstein, et al.			
	DE	5,899,876	5/4/99	Flower			
	DF	5,911,223	6/15/99	Weaver, et al.			
	DG	5,928,571	7/27/99	Chan			
	DH	5,944,662	8/31/99	Schoendorfer			
	DI	5,947,921	9/7/99	Johnson, et al.			
	DJ	5,954,685	9/21/99	Tierney			
	DK	5,968,006	10/19/99	Hofmann			
	DL	5,978,701	11/2/99	Johnson, et al.			
	DM	5,983,131	11/9/99	Weaver, et al.			
	DN	5,989,409	11/23/99	Kurnik, et al.			
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	DQ	6,006,130	12/21/99	Higo, et al.			
	DR	6,010,613	1/4/2000	Walters, et al.			
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	DT	6,018,679	1/25/2000	Dinh, et al.			
	DU	6,041,252	3/21/2000	Walker, et al.			
	DV	6,041,253	3/21/2000	Kost, et al.			
ds.	DW	6,048,337	4/11/2000	Svedman			

Examiner Signature

Dustin S. Wilson

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Attorney Docket Number	0150-0005

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
asn.	DX	DE 4137960 A1	5/27/93	Germany			
	DY	EP 0254166 A2	1/27/88	Europe			
	DZ	EP 0266083 A1	5/04/88	Europe			
	EA	EP 0308572 A2	3/29/89	Europe			
	EB	EP 0468636 A1	1/29/92	Europe			
	EC	EP 0847775 A1	6/17/98	Europe			
	ED	GB 2177928 A	2/4/87	United Kingdom			
	EE	JP 409276416 A	10/28/77	Japan			
	EF	JP 402124176 A	5/11/90	Japan			
	EG	JP 402243168 A	9/27/90	Japan			
	EH	JP 403045272 A	2/26/91	Japan			
	EI	JP 405049702 A	3/2/93	Japan			
	EJ	JP 407067971 A	3/14/95	Japan			
	EK	JP 408052224 A	2/27/96	Japan			
	EL	JP 408322948 A	12/10/96	Japan			
	EM	JP 411019226 A	1/26/99	Japan			
	EN	WO 88/00846	2/11/88	PCT			
	EO	WO 91/15256	10/17/91	PCT			
	EP	WO 91/15257	10/17/91	PCT			
	EQ	WO 92/18197	10/29/92	PCT			
	ER	WO 94/05368	3/17/94	PCT			
	ES	WO 94/28967	12/22/94	PCT			
	ET	WO 97/07853	3/06/97	PCT			
	EU	WO 98/14235	4/9/98	PCT			
	EV	WO 99/30773	6/24/99	PCT			
	EW	WO 99/43383	9/2/99	PCT			
asn.	EX	WO 99/52589	10/21/99	PCT			

## OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the book, magazine, journal, serial, symposium, catalog, etc., date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
asn.	EY	Dalziel, et al. (1950), "Effect of Frequency On Perception Currents," <i>AIEE Transactions</i> 69:1162-1168.	
	EZ	Dalziel, et al. (1956), "Let-Go Currents and Voltages," <i>AIEE Transactions</i> 75:49-56.	
	FA	Delgado-Charro et al. (1994), "Characterization of Convective Solvent Flow During Iontophoresis," <i>Pharmaceutical Research</i> 11(7):929-935.	
	FB	Higuchi et al. (1999), "Mechanistic Aspects of Iontophoresis In Human Epidermal Membrane," <i>Journal of Controlled Release</i> 62:13-23.	
	FC	Kim et al. (1993), "Convective Solvent Flow Across the Skin During Iontophoresis," <i>Pharmaceutical Research</i> 10(9):1315-1319.	
	FD	Li, et al. (1999), "Pore Induction in Human Epidermal Membrane During Low to Moderate Voltage Iontophoresis: A Study Using AC Iontophoresis," <i>Journal of Pharmaceutical Sciences</i> 88(4):419-427.	
asn.	FE	Li, et al. (1998), "Characterization of the Transport Pathways Induced During Lower to Moderate Voltage Iontophoresis in Human Epidermal Membrane," <i>Journal of Pharmaceutical Sciences</i> 87(1):40-48.	

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Cynthia S. Willis

Date

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4/12/05

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**INFORMATION DISCLOSURE  
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Application Number	10/014,741
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Art Unit	3763
Examiner Name	Unassigned

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
dsn.	FF	Li, et al. (1998), "Lag Time Data for Characterizing the Pore Pathway of Intact and Chemically Pretreated Human Epidermal Membrane," <i>International Journal of Pharmaceutics</i> 170:93-108.	
	FG	Li, et al. (1999), "Pore Charge Distribution Considerations In Human Epidermal Membrane Electroosmosis," <i>Journal of Pharmaceutical Sciences</i> 88(10):1044-1049.	
	FH	Peck, et al. (1998), "Flux Enhancement Effects of Ionic Surfactants Upon Passive and Electroosmotic Transdermal Transport," <i>Journal of Pharmaceutical Sciences</i> 87(9):1161-1169.	
	FI	Sharma, et al. (2000), "Transdermal Drug Delivery Using Electroporation. II. Factors Influencing Skin Reversibility In Electroporative Delivery of Terazosin Hydrochloride in Hairless Rats," <i>Journal of Pharmaceutical Sciences</i> 89(4):536-544.	
dsn.	FJ	van der Geest et al. (1996), "Iontophoresis of Bases, Nucleosides, and Nucleotides," <i>Pharmaceutical Research</i> 13(4):553-558.	

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Examiner Signature <i>David J. Miller</i>	Date Considered 4/12/05
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